



**Cal OES**  
GOVERNOR'S OFFICE  
OF EMERGENCY SERVICES

# California OES Atmospheric River Event Weather Threat Briefing

09 February, 2017  
10:00 AM PST

**Day 1: Flooding along small streams and creeks  
with potential for flooding on main stem rivers.  
More rain and snow with gusty winds expected.**

**National Weather Service**  
*Western Region Headquarters  
Regional Operations Center  
Salt Lake City, UT*



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# Key Points

More rain and snow for California with periods of strong gusty winds through Friday. Snow levels will remain very high today, around 7500 feet, before falling to 4000 feet Friday. Here are the key points with this final storm of the series:

- Flooding possible along unregulated rivers, streams, roadways, and low-lying areas today – Friday.
- Heavy snow will cause hazardous travel over Sierra passes with travel delays likely today – Friday.
- Winds will be strong enough to down trees and cause prolonged power outages today.
- Rockslides and mudslides possible, especially along mountain slopes and steep grades today – Friday.
- **Thunderstorms are possible Friday, with the potential for small hail, very gusty winds, and flash flooding.**
- **Debris flows are also possible over burn scars with periods of brief heavy rain (greater than 0.50" per hour) Friday.**



# California OES Impact Threat Matrix

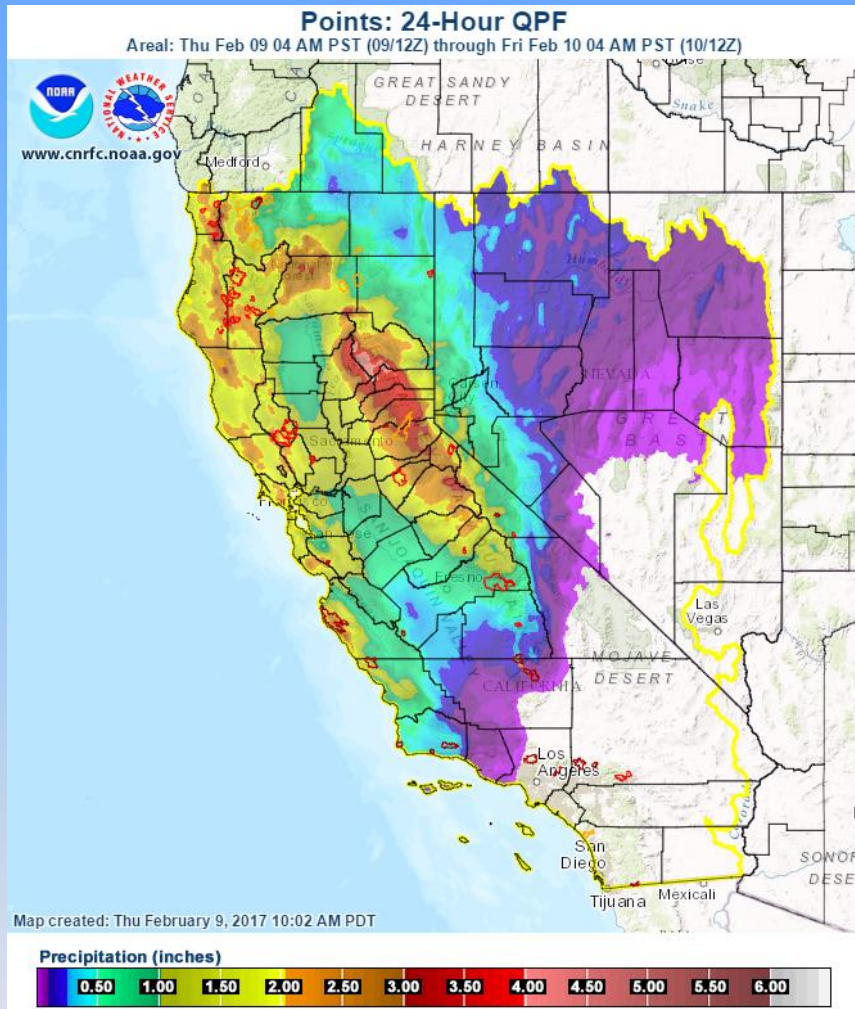
Feb 09, 2017 – Feb 15, 2017

DAY/THREAT	THU	FRI	SAT	SUN	MON	TUE	WED
Freezing Rain							
Winds							
Snow							
Heavy Rain/ Flash Flooding							
Debris Flows/Mud Slides							
River Flooding							

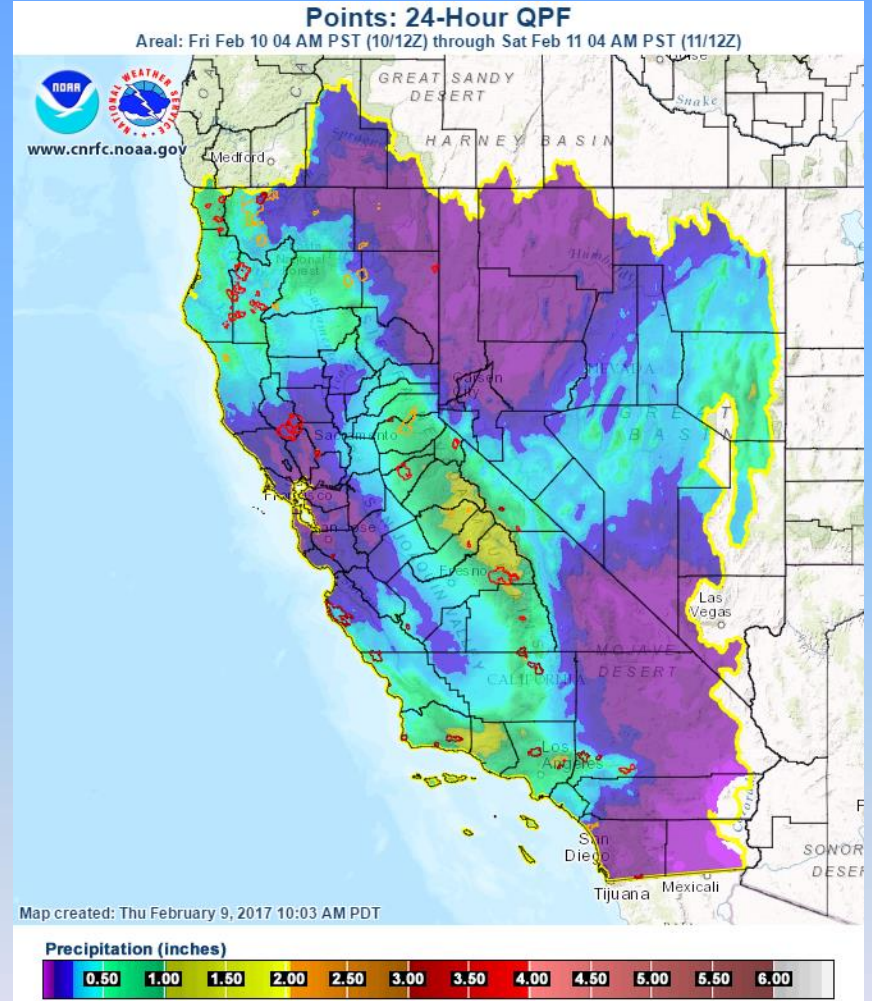
	High Threat
	Moderate Threat
	Slight Threat
	No Discernible Threat



# Days 1-2 Precipitation Forecast



Today



Friday

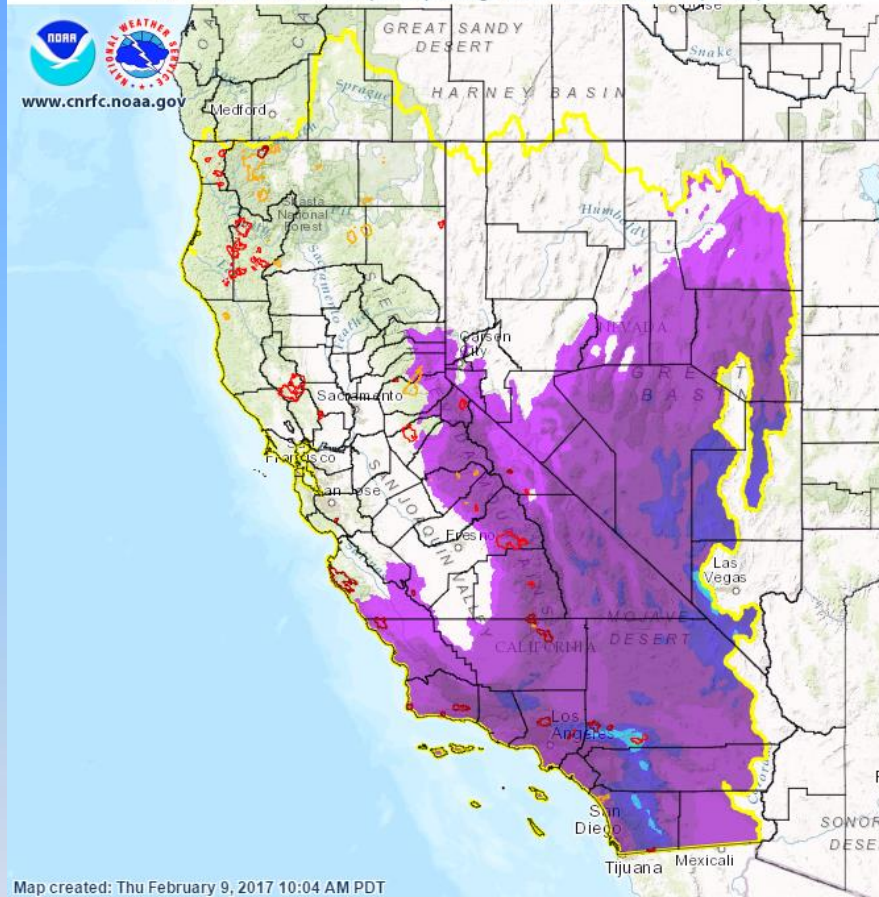




# Days 3-4 Precipitation Forecast

## Points: 24-Hour QPF

Areal: Sat Feb 11 04 AM PST (11/12Z) through Sun Feb 12 04 AM PST (12/12Z)



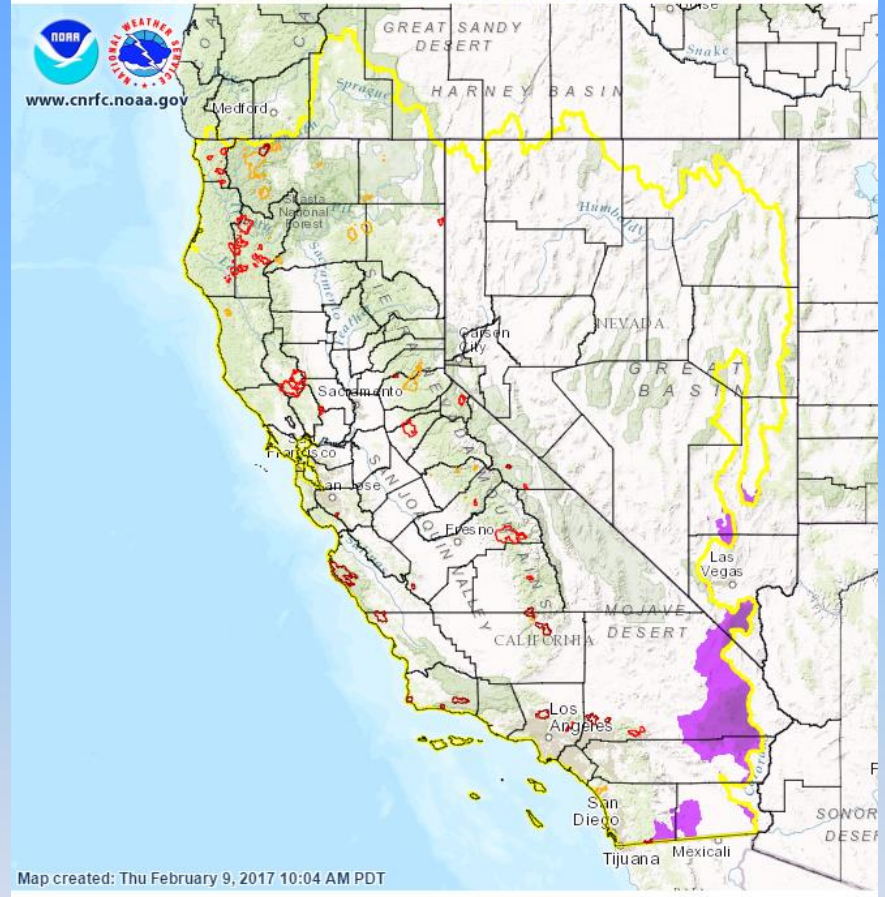
Precipitation (inches)



Saturday

## Points: 24-Hour QPF

Areal: Sun Feb 12 04 AM PST (12/12Z) through Mon Feb 13 04 AM PST (13/12Z)



Precipitation (inches)



Sunday

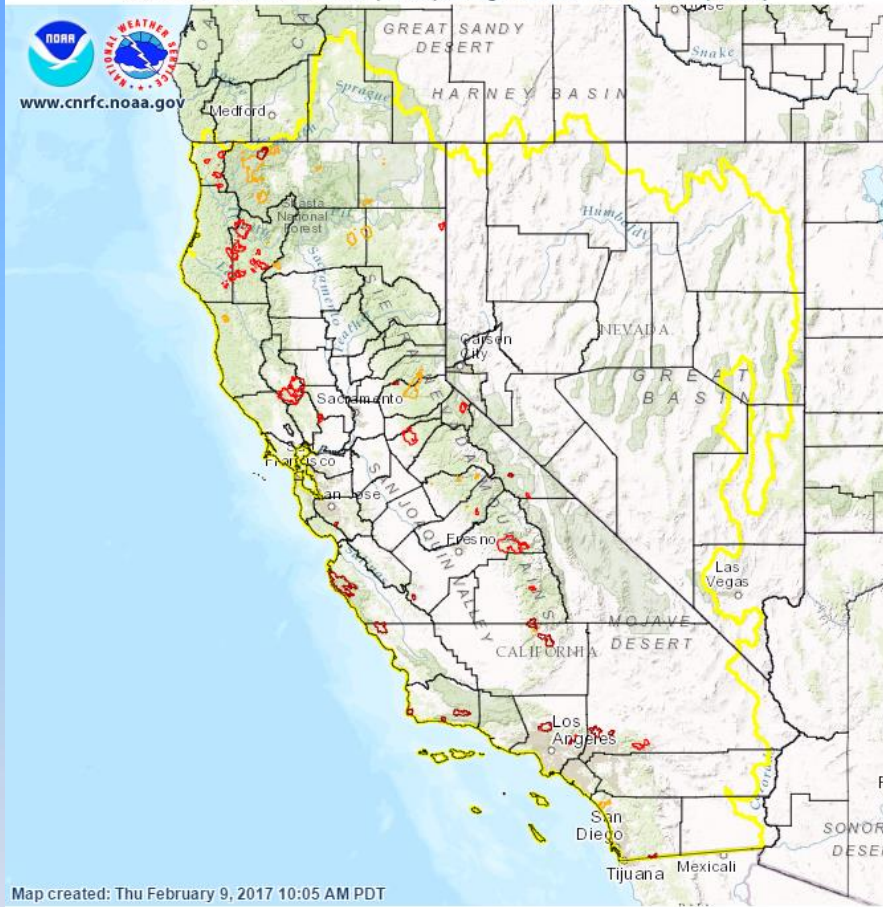




# Days 5-6 Precipitation Forecast

## Points: 24-Hour QPF

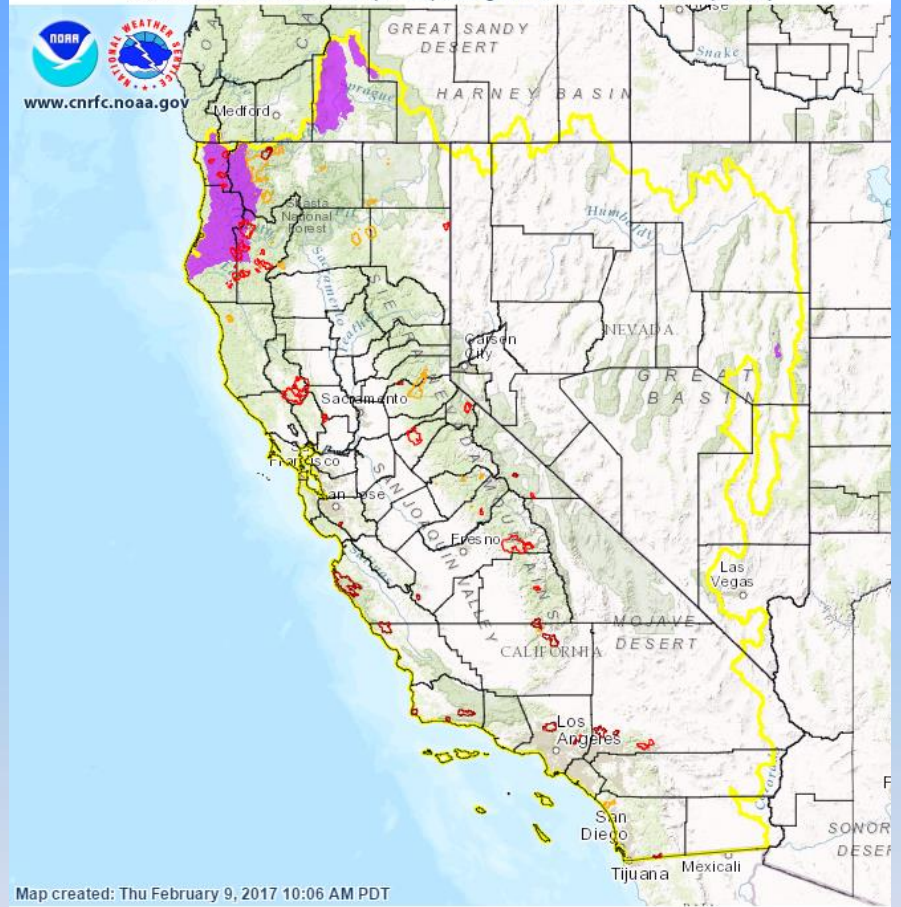
Areal: Mon Feb 13 04 AM PST (13/12Z) through Tue Feb 14 04 AM PST (14/12Z)



Monday

## Points: 24-Hour QPF

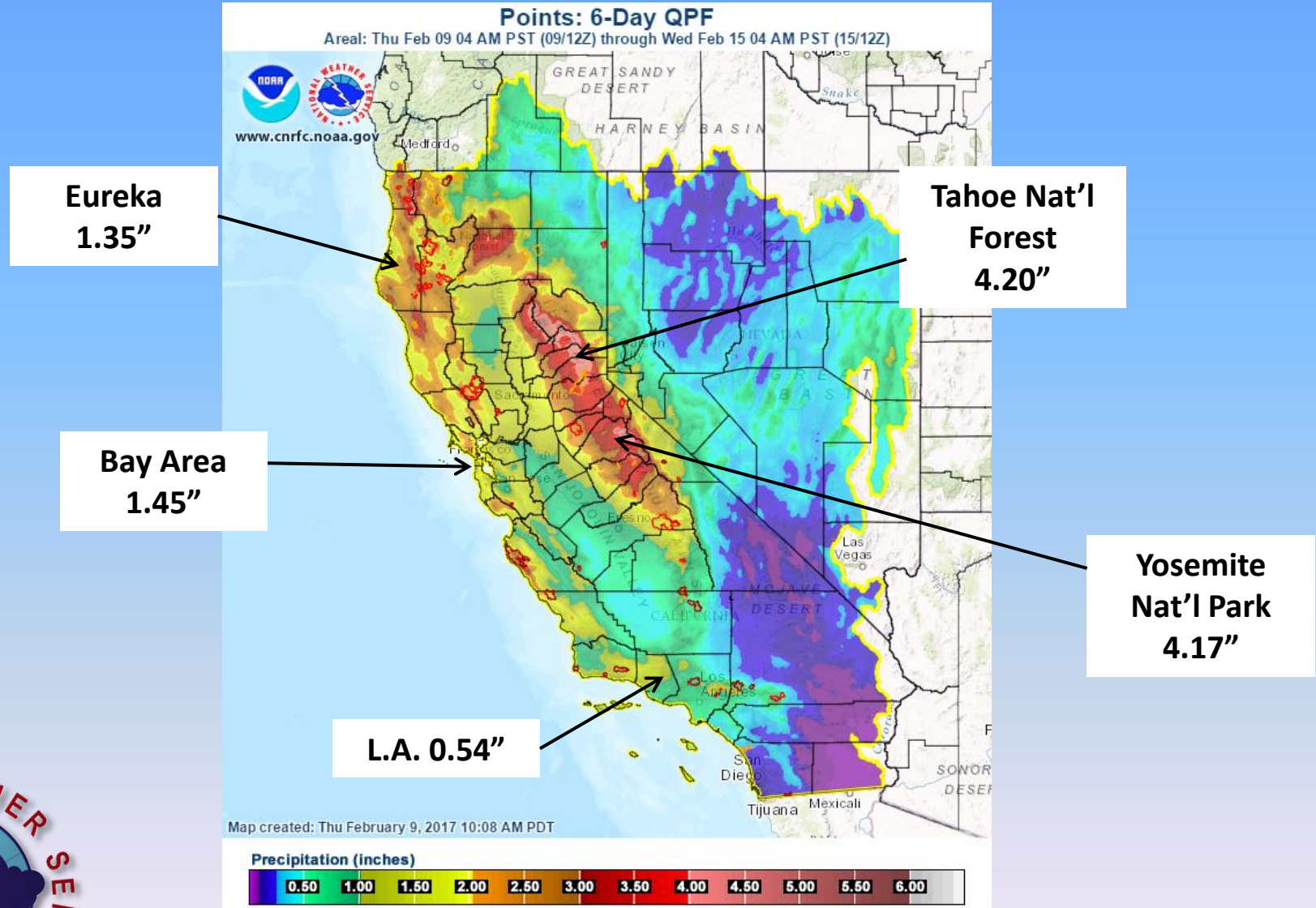
Areal: Tue Feb 14 04 AM PST (14/12Z) through Wed Feb 15 04 AM PST (15/12Z)



Tuesday



# 6 Day Precipitation Forecast



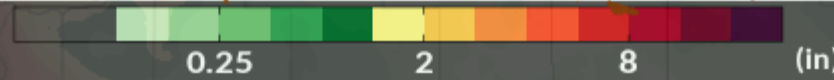
**Valid Thursday, February 9, 2017 – Wednesday, February 15, 2017.**





# 5pm Saturday Forecast

Accumulated Precipitation

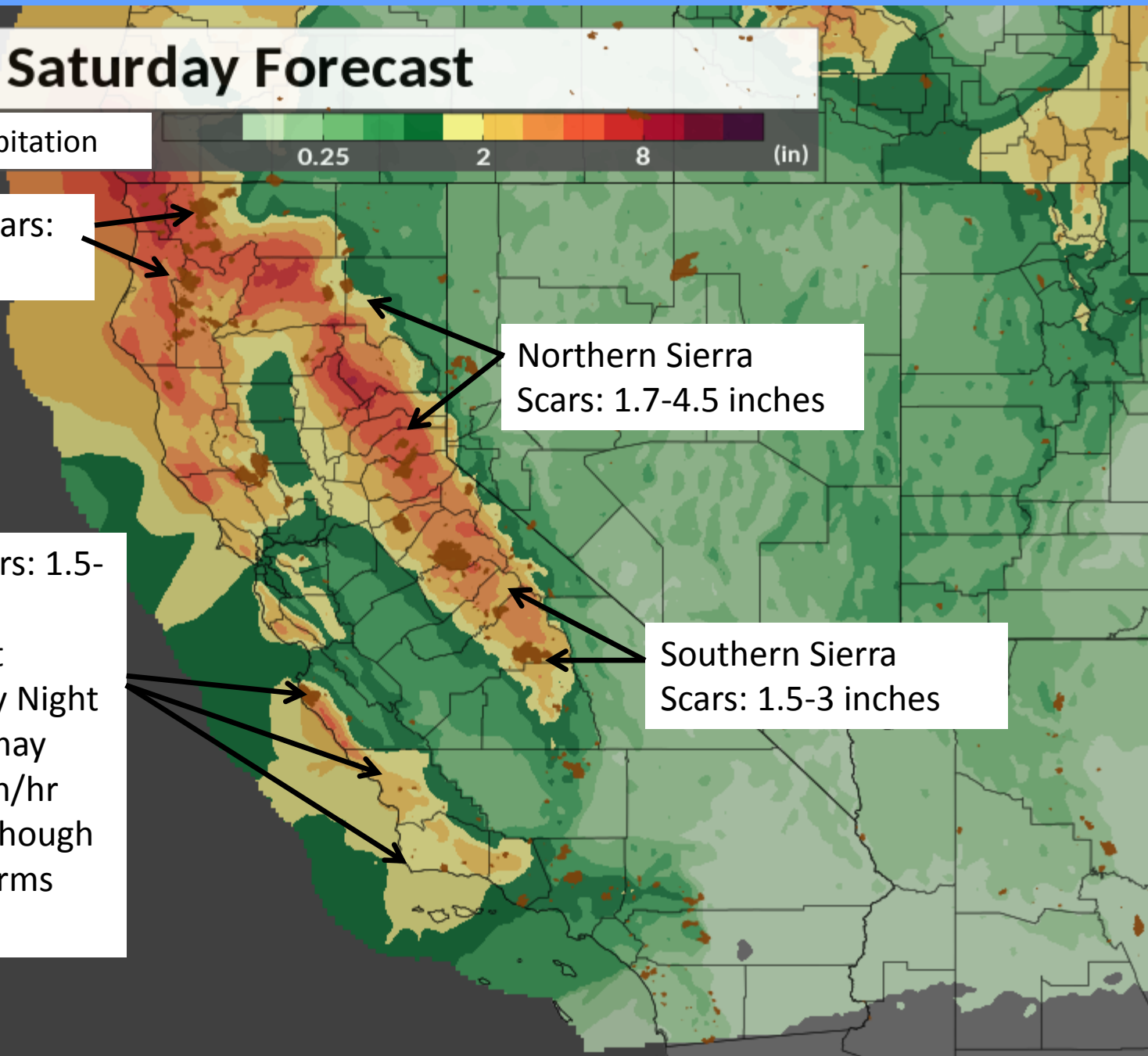


Northwest CA Scars:  
2-6 inches

Northern Sierra  
Scars: 1.7-4.5 inches

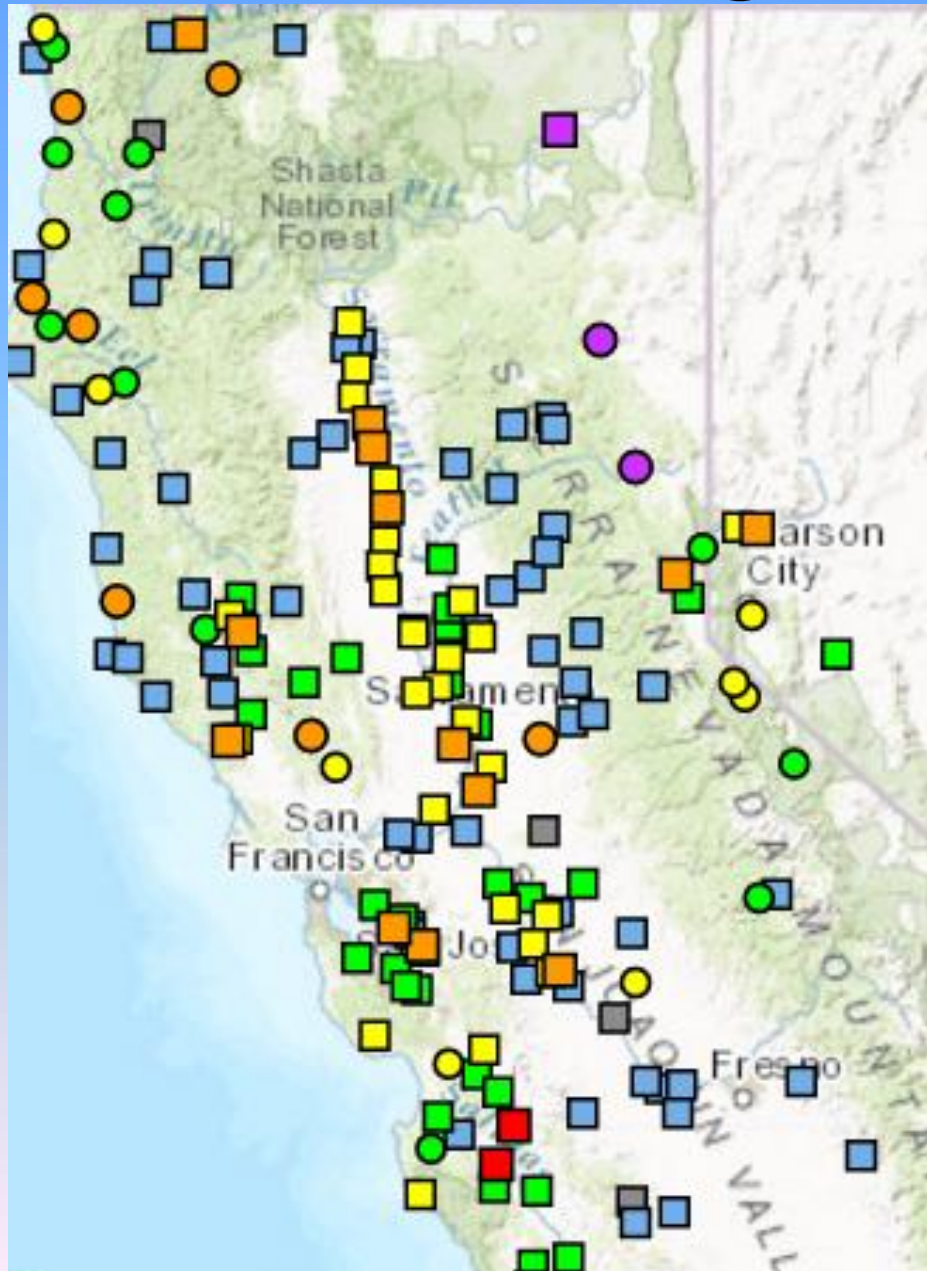
Coastal CA Scars: 1.5-3 inches  
Mainly Tonight  
Through Friday Night  
Brief periods may  
reach 0.50 inch/hr  
rainfall rates, though  
no thunderstorms  
are expected.

Southern Sierra  
Scars: 1.5-3 inches



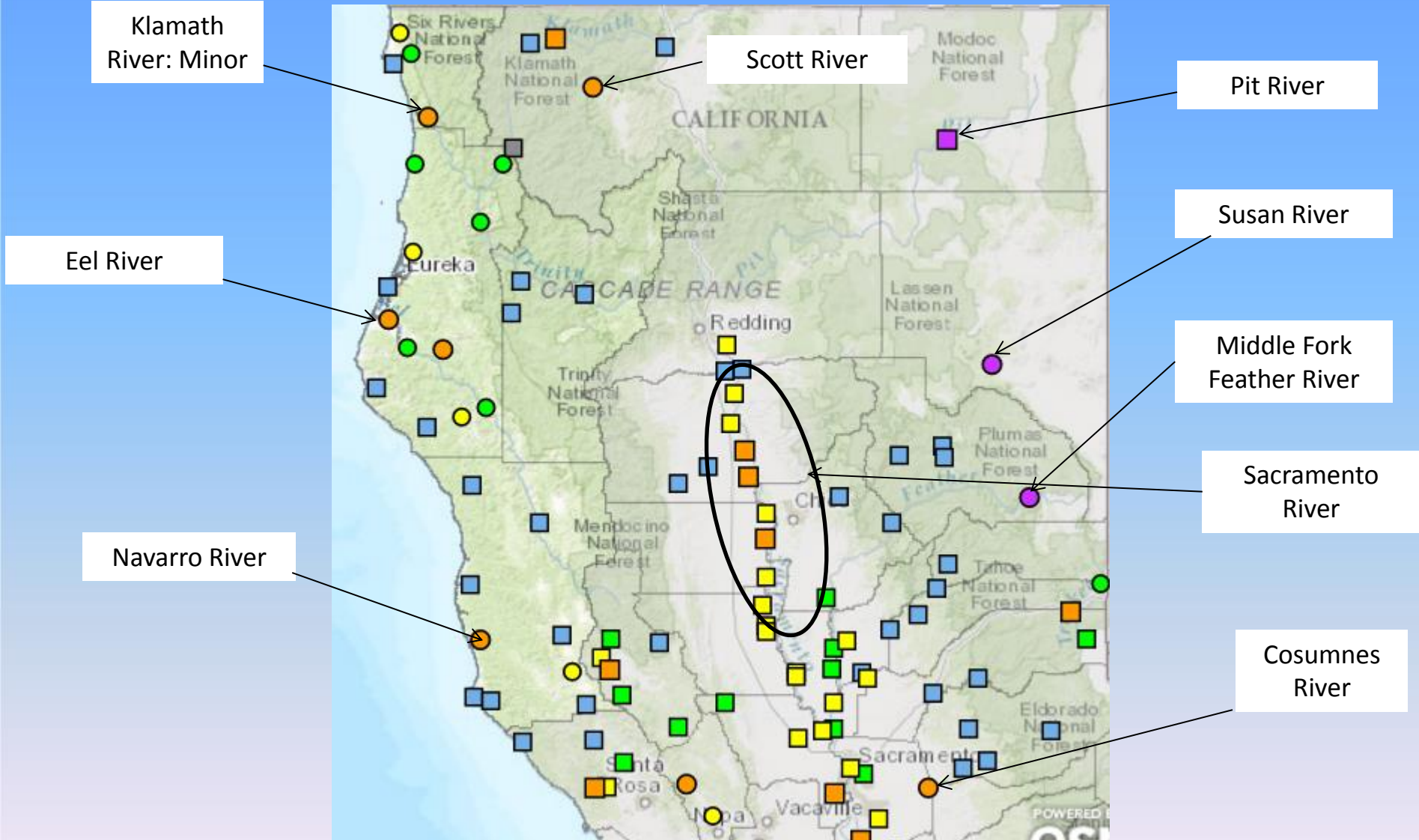


# Rising Rivers



- 1 Gauges: Major Flooding
- 3 Gauges: Moderate Flooding
- 33 Gauges: Minor Flooding
- 118 Gauges: Near Flood Stage
- 1445 Gauges: No Flooding
- 219 Flood Category Not Defined
- 2 At or Below Low Water Threshold
- 16 Gauges: Forecasts Are Not Current
- 1674 Gauges: No forecast within selected timeframe
- 52 Gauges: Out of Service

# River Forecasts



# River Forecasts

**Klamath River: Forecast to peak at **minor** flood stage early Friday morning:** Impacts include. Flooding of the access road to Klamath Glen from Highway 101 and other low lying areas is likely

**Scott River: Forecast to peak at **minor** flood stage early Friday morning. Impacts include: Some flooding of structures.**

**Pit River: Forecast peak at **major** flood stage overnight tonight into Friday morning.** Impacts include: Expect major flooding in Beiber, Nubeiber, and throughout northwest Lassen county 5400 cfs

**Eel River at Fernbridge - Forecast to peak at **minor** flooding overnight tonight into Friday morning.** Impact include: Flooding of western portions of Cannibal Island Road, Camp Weott Road and adjacent areas is likely. This level may also cause flooding of the Salt River, Old River and other low lying slough areas. Flooding in these areas is exaggerated when crest timing is coincident with high tides and strong onshore winds, and when the river remains high for longer periods of time.

**Navarro River – Forecast to peak at **minor** flooding around midnight today (late Thursday night).** Impacts include: Flooding of Highway 128 approximately 5 miles from Highway 1 is certain and the road will be closed. Motorists should use alternate routes.

**Sacramento River – Forecast to peak at minor flooding Thursday** with varying impacts:

<http://water.weather.gov/ahps2/forecasts.php?wfo=eka>

**Cosumnes River – Forecast to peak at **minor** flooding early Friday morning.**

**Susan River – Forecast to peak at **major** flooding around midnight tonight (early Friday morning).** Impacts include: Major flooding in Susanville...Johnstonville...Leavitt Lake...Standish...Litchfield. Susanville floods from Lassen Street downstream along Riverside Drive and from Main St...Highway 36...on north to railroad tracks on south. Top of K-rail flood wall on Carroll Street. Homes...businesses...schools...roads and bridges in the Honey Lake Valley flooded. Serious transportation impacts. Impacts to power...phone and rural water systems begin. Similar to December 31 2005 and February 24 1958 floods.

**Middle Fork Feather River near Portola – Forecast to have a secondary peak at **major** Saturday morning.** Impacts include: Major...near record flooding of lowlands...roads...railroads...homes...businesses and structures along river from Beckwourth to Sloat California...including Portola...with significant damage. About 7400 cfs. Like record flood of January 21 1969...7640 cfs



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